

Form PTO-1449 U.S. Department of Commerce  
(REV. 2-82) Patent and Trademark Office

Atty. Docket No.  
36217/US/2-475387-191

Serial No.  
10/551,735

**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**  
**(Use several sheets if necessary)**

Applicant(s)  
Guillermo J. Tearney et al.

Filing Date  
Spetember 29, 2005

Confirmation No.  
6550

**U.S. PATENT DOCUMENTS**

*Exam. Init.		Document No.							Date	Name	Class	Subclass	Filing Date if Appropriate
		4	5	3	3	2	4	7	August 6, 1985	Epworth eeeeeeeeee			
		6	7	4	1	3	5	5	May 25, 2004	Drabarek eeeeeeeeee			
2005	0	0	7	5	5	4	7		April 7, 2005	Wang eeeeeeeeee			
2005	0	0	8	3	5	3	4		April 21, 2005	Riza et al. eeeeeeeeee			
		3	9	7	3	2	1	9	August 3, 1976	Tang et al.			
		3	9	8	3	5	0	7	September 28, 1976	Tang et al.			
2006	0	1	0	3	8	5	0		May 18, 2006	Alphonse et al. eeeeeeeeeeee			
		4	8	9	2	4	0	6	January 9, 1990	Waters eeeeeeeeeeee			
		5	7	1	6	3	2	4	February 10, 1998	Toida φ			
		6	4	5	9	4	8	7	October 1, 2002	Chen et al.φ			
2002	0	0	9	3	6	6	2		July 18, 2002	Chen et al. φ			
		6	3	5	9	6	9	2	March 19, 2002	Groot φφφ			
		6	9	0	3	8	2	0	June 7, 2005	Wang φφφφ			
2006	0	2	4	4	9	7	3		November 2, 2006	Yun et al. φφφφφ			
		5	2	2	8	0	0	1	July 13, 1993	Birge et al. φφφφφφφ			
		6	6	8	7	0	3	6	February 3, 2004	Riza φφφφφφ			
		4	4	2	8	6	4	3	January 31, 1984	Kay φφφφφφ			
		4	9	6	5	5	9	9	October 23, 1990	Roddy et al. φφφφφφφ			

Examiner

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		4	3	0	3	3	0	0	December 1, 1981	Pressiat et al.			
		6	8	3	9	4	9	6	January 4, 2005	Mills et al.			
2004	0	1	3	3	1	9	1	July 8, 2004	Momiuchi et al. ΦΦΦΦΦΦΦ				
	5	8	4	0	0	7	5	November 24, 1998	Mueller et al. ΦΦΦΦΦΦΦ				
2003	0	2	1	6	7	1	9	November 20, 2003	Debenedictics et al. ΦΦΦΦΦΦΦ				
2006	0	1	5	5	1	9	3	July 13, 2006	Leonardi et al. ΦΦΦΦΦΦΦ				
2003	0	1	9	9	7	6	9	October 23, 2003	Podoleanu et al. ΦΦΦΦΦΦΦΦΦ				
2004	0	2	1	2	8	0	8	October 28, 2004	Okawa et al. ΦΦΦΦΦΦΦΦΦ				

**FOREIGN PATENT DOCUMENT**

		Document No.							Date	Country	Class	SubClass	Translator Yes      No
		9	6	2	8	2	1	2	September 19, 1996	WIPO ΦΦΦΦΦΦΦΦΦΦΦΦΦ			
		0	9	3	3	0	9	6	August 4, 1999	European ΦΦΦΦΦΦΦΦΦΦΦΦΦ			
		4	1	0	5	2	2	1	September 12, 1991	Germany			
		0	1	0	8	5	7	9	February 8, 2001	WIPO ΦΦΦΦΦΦΦ			
		9	9	0	5	4	8	7	February 4, 1999	WIPO ΦΦΦΦΦΦΦΦΦ			
200	5	0	8	2	2	2	5	September 9, 2005	WIPO ΦΦΦΦΦΦΦΦΦΦΦ				
200	4	0	3	4	8	6	9	April 29, 2004	WIPO ΦΦΦΦΦΦΦΦΦΦΦ				

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	0	3	0	5	2	4	7	8	June 26, 2003	WIPO ΦΦΦΦΦΦΦΦΦΦ				
	200	7	0	3	8	7	8	7	April 5, 2007	WIPO ΦΦΦΦΦΦΦΦΦΦ				

eeeeeeeeee References cited in Office Action dated November 15, 2007 for U.S. Patent Application No. 11/285,301  
eeeeeeeeee References cited in European Patent Office Search Report for Application No. 05791226.3  
eeeeeeeeee References cited in Office Action dated December 18, 2007 for U.S. Patent Application No. 11/288,994  
φ References cited in Office Action dated December 21, 2007 for U.S. Patent Application No. 11/264,655  
φφ Reference cited in Office Action dated January 3, 2008 for U.S. Patent Application No. 10/997,789  
φφφ Reference cited in Office Action dated January 10, 2008 for U.S. Patent Application No. 11/435,228  
φφφφ Reference cited in Office Action dated January 10, 2008 for U.S. Patent Application No. 11/410,937  
φφφφφ Reference cited in Office Action dated January 11, 2008 for U.S. Patent Application No. 11/445,990  
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φφφφφφφ References cited in International Search Report PCT/US2007/061481 dated March 17, 2008  
φφφφφφφφ References cited in International Search Report PCT/US2007/078254 dated March 28, 2008  
φφφφφφφφφ References cited in International Search Report for Application No. PCT/US2007/068233 dated February 21, 2008  
φφφφφφφφφφ References cited in International Search Report for Application No. PCT/US2007/060787 dated March 18, 2008  
φφφφφφφφφφφφ References cited in International Search Report and Written Opinion for Application No. PCT/US2007/061463 dated January 23, 2008

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

		Tang C. L. et al., "Wide-band electro-optical tuning of semiconductor lasers", Applied Physics Letters, Vol. 30, No. 2, January 15, 1977, pages 113-116
		Tang C. L. et al., "Transient effects in wavelength-modulated dye lasers", Applied Physics Letters, Vol. 26, No. 9, May 1, 1975, pages 534-537
		Telle M. John, et al., "Very rapid tuning of cw dye laser", Applied Physics Letters, Vol. 26, No. 10, May 15, 1975, pages 572-574
		Telle M. John, et al., "New method for electro-optical tuning of tunable lasers", Applied Physics Letters, Vol. 24, No. 2, January 15, 1974, pages 85-87

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		Schmitt M. Joseph et al. "OCT elastography: imaging microscopic deformation and strain of tissue", Optics Express, Vol. 3, No. 6, September 14, 1998, pages 199-211 eeeeeeeeeee
		M. Gualini Muddassir et al., "Recent Advancements of Optical Interferometry Applied to Medicine", IEEE Transactions on Medical Imaging, Vol. 23, No. 2, February 2004, pages 205-212
		Maurice L. Roch et al. "Noninvasive Vascular Elastography: Theoretical Framework", IEEE Transactions on Medical Imaging, Vol. 23, No. 2, February 2004, pages 164-180 eeeeeeeeeee
		Kirkpatrick J. Sean et al. "Optical Assessment of Tissue Mechanical Properties", Proceedings of the SPIE - The International Society for Optical Engineering SPIE - Vol. 4001, 2000, pages 92-101 eeeeeeeeeee
		Lisauskas B. Jennifer et al., "Investigation of Plaque Biomechanics from Intravascular Ultrasound Images using Finite Element Modeling", Proceedings of the 19 <sup>th</sup> International Conference - IEEE October 30 – November 2, 1997, pages 887-888 eeeeeeeeeee
		Parker K. J. et al., "Techniques for Elastic Imaging: A Review", IEEE Engineering in Medicine and Biology, November/December 1996, pages 52-59 eeeeeeeeeee
		Copy of European Patent Office Search Report for Application No. 05791226.3
		Dubois Arnaud et al., "Ultrahigh-resolution OCT using white-light interference microscopy", Proceedings of SPIE, 2003, Vol. 4956, pages 14-21 φφ
		Copy of Office Action dated January 3, 2008 for U.S. Patent Application No. 10/997,789
		Copy of Office Action dated December 21, 2007 for U.S. Patent Application No. 11/264,655
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		Copy of PCT International Search Report and Written Opinion for Application No. PCT/US2007/061481 dated March 17, 2008
		Copy of PCT International Search Report and Written Opinion for Application No. PCT/US2007/078254 dated March 28, 2008
		Sadhwani, Ajay et al., "Determination of Teflon thickness with laser speckle I. Potential for burn depth diagnosis", Optical Society of America, 1996, Vol. 35, No. 28, pages 5727-5735
		C.J. Stewart et al., "A comparison of two laser-based methods for determination of burn scar perfusion: Laser Doppler versus laser speckle imaging", Elsevier Ltd., 2005, Vol. 31, pages 744-752
		G. J. Tearney et al., "Atherosclerotic plaque characterization by spatial and temporal speckle pattern analysis", CLEO 2001, Vol. 56, pages 307-307
		Copy of PCT International Search Report for Application No. PCT/US2007/068233 dated February 21, 2008
		Copy of PCT International Search Report for Application No. PCT/US2007/060787 dated March 18, 2008
		Copy of Statement under Article 19 and Reply to PCT Written Opinion for PCT International Application No. PCT/US2005/043951 dated June 6, 2006
		Copy of PCT International Preliminary Report on Patentability for Application No. PCT/US2005/043951 dated June 7, 2007

4810-6430-4386\1

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